## 10/531580 JC12 Rec'd PCT/PTC 1 8 APR 2005

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INF	ORMATION	I DI	SCLOSURE	Filing Date	April 18, 2005			
ST	ATEMENT B	SY /	APPLICANT	First Named Inventor	Kouji MATSUSHIMA			
•••				Art Unit	NHA 1646			
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Sheet	1	of	1	Attorney Docket Number	1752-0171PUS1			

			U.S. PATE	INT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code <sup>2</sup> ( <i>Il known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Retevant Passages or Relevant Figures Appear

		FOREI	GN PATENT D	OCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (il known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T°,
PM	BA**	WO-01/83548-A1	11-08-2001	· · · · · · · · · · · · · · · · · · ·		

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		NON PATENT LITERATURE DOCUMENTS	
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-PM-	CA**	DIEU, Marie-Caroline et al., J. Exp. Med., 1998, Vol. 188, No. 2, pages 373 to 386	
	CB**	LIN, Chen-Lung et al., J. Exp. Med., 2000, Vol. 192, No. 4, page 587 to 593.	
	CC**	HUNTER, M.G. et al., Blood, 1995, Vol. 86, No. 12, pages 4400 to 4408	
	CD	MAZE, Rodney et al., The Journal of Immunology, Vol. 149, No. 3, August 1, 1992 pages 1004-1009	
	CE	LEE, Sang Chin et al., The Journal of Immunology, Vol. 164, (2000) pages 3392 to 3401	
	CF	LUKACS, Nicholas W. et al., Chem Immunol. Basel, Karger, 1999, Vol. 72, pages 102 to 120	
	CG	ROLLINS, Barrett J. et al., Chemokines and Cancer, pages 95, 99 to102 (1999)	<u> </u>
	СН	MARSHALL, E et al., European Journal of Cancer, Vol. 34, No. 7, pages 1023-1029 (1998)	
	CI	CLEMONS, Mark J. et al., Blood, Vol. 92, No. 5 September 1, 1998, pages 1532-1540.	
$\overline{\mathbf{v}}$	သ	Saibo Kogaku, Bessatsu, Hando Bukku Shirizu Kemokain Hando Bukku, Nov. 20, 2000, Shujun-sha, front page, p. 68 to 70, 84 to 86 and 87 to 90, and publication data	

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Examiner Initials*	Cite No.*	Document Number Number-Kind Code <sup>2</sup> ( <i>il known</i> )	Publication Date MM-DD-YYYY		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

		FOREIC	GN PATENT	DOCUMENTS		
Examiner Initials*	Cite No.'	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> ( <i>it known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	

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NON PATENT LITERATURE DOCUMENTS										
Examiner Initials	magazine, journal, serial, symposium, catalog, etc.), date, page(a), volume loose memory (a), personal terms									
PM	CA	C. Taruki et al., Biochemistry, Vol. 78, No. 8, p. 986, (August 2004).	ļ							
	CB	F. Wu et al. Ultrasound in Med. & Biol., Vol. 30, No. 9, pp. 1217-1222, (2004).								
	CC	S. Demaria et al., Int. J. Radiation Oncology Biol. Phys., Vol. 58, No. 3, pp. 862-870, (2004).								

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Kouji MATSUSHIMA	First Named Inventor	PPLICANT		TATEMEN'	S	
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	U.S. PATENT DOCUMENTS									
Examiner	Cite	Document Number	Publication Data	Name of Patentee or	Pages, Columns, Lines, Where					
initiais"	No.	Number-Kind Code <sup>2</sup> (#known)		Applicant of Cited Document	Relevant Passages or Relevant Figures Appear					
PM	AA*	US-5,616,688-A	04-01-1997	Cerami et al.						
	AB*	US-5,922,597-A	07-13-1999	Verfaillie et al.						
	AC*	US-5,925,568-A	07-20-1999	Comer et al.						
V	AD*	US-6,046,309-A	04-20-2000	Cerami et al.						

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>4</sup> (7 known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°
PM	BA	WO-01/54727-A1	08-02-2001			$\Box$
IM	88	JP-2000-157285-A	06-13-2000			

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No. I	No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T	
PM	CA	K. Kuraoka et al., International Journal of Oncology, Vol. 23, pp.421-427, 2003		
1 1	CB	Y. Zhang et al., Journal of the National Cancer Institute, Vol. 96, No. 3, pp. 201-209, 2004	L	
11	CC	J. Banchereau et al., Nature, Vol. 392, pp. 245-252, 1998		
	CD	K. Inaba et al., J. Exp. Med., Vol. 176, pp. 1693-1702, 1992	L	
	CE	C. Caux et al., Blood, Vol. 90, No. 4, pp. 1458-1470, 1997		
	CF	Y. Zhang et al., Blood, Vol. 90, No. 12, pp. 4842-4853, 1997		
CG Y. Zhang et al., Blood, Vol. 92, No. 1, pp. 118-128, 1998				
CH Y. Zhang et al., Blood, Vol. 93, No. 4, pp.1208-1220, 1999				
CI Y. Zhang et al., Blood, Vol. 95, No. 1, pp. 138-146, 2000				
CJ D.N.J. Hart, Blood, Vol. 90, No. 9, pp. 3245-3287, 1997				
CK M.O'Keeffe et al., Blood, Vol. 101, No. 4, pp.1453-1459, 2003				
CL N. Fujioka et al., Journal of Leukocyte Biology, Vol. 58, pp. 90-98, 1995				
CM H. Dong et al., Biochemical and Biophysical Research Communications, Vol. 298, pp.675- 2002				
CN JL Gao et al., The Journal of Experimental Medicine, Vol. 185, No. 11, pp. 1959-1968, 1997				
	CO M. Murai et al., Nature Immunology, Vol. 4, No. 2, pp. 154-160, 2003			
CP P. Menten et al., Cytokine & Growth Factor Reviews, Vol. 13, pp.455-481, 2002				
	CQ	C. Klein et al., J. Exp. Med., Vol. 191, No. 10, pp. 1699-1708, 2000		
	CR	F. Sallusto et al., Immunological Reviews, Vol. 177, pp. 134-140, 2000		
	CS	M. Ogata et al., Blood, Vol. 93, No. 10, pp. 3225-3232, 1999		
	CT	H. Yoneyama et al., J. Exp. Med., Vol. 195, No. 10, pp.1257-1266, 2002		
	CU	P. Allavena et al., Immunological Reviews, Vol. 177, pp. 141-149, 2002		
VI	CV	S. Sozzani et al., Journal of Clinical Immunolgy, Vol. 20, No. 3, pp.151-160, 2000		
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## **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT (Use as many sheets as necessary)

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Application Number	10/531,580-Conf. #4955		
Filing Date	April 18, 2005	]	
First Named Inventor	Kouji MATSUSHIMA		
Art Unit	1642-1646		
Examiner Name	Not Yet Assigned Prema A	fenz	
Attorney Docket Number	1752-0171PUS1		

Ри	CW	S. Zoffmann et al., J. Med. Chem., Vol. 44, pp. 215-222, 2001
	CX	H. Nomiyama et al., International Immunology, Vol. 13, No. 8, pp.1021-1029, 2001
	CY	C. Weber et al., Blood, Vol. 97, No. 4, pp.1144-1146, 2001
	CZ	S. Ali et al., The Journal of Biological Chemistry, Vol. 275, No. 16, pp. 11721-11727, 2000
	CA1	R.M. Steinman et al., The Journal of Clinical Investigation, Vol. 109, No. 12, pp.1519-1526, 2002
	CB1	M. Gilliet et al., J. Exp. Med., Vol. 195, No. 7, pp.953-958, 2002
	CC1	G.M. del Hoyo et al., Nature, Vol. 415, pp. 1043-1047, 2002
	CD1	K. Matsuno, Igaku No Ayumi, Progress of Medicine, Vol. 200, No. 6, pp. 132-136, 2002, with English Language Translation
	CE1	K. Inaba, Saibou Kougaku, Cell Technology, Vol. 19, No. 9, pp. 1282-1286, 2000, with English Language Translation
	CF1	H. Kawamoto et al., Saibou Kougaku, Cell Technology, Vol. 19, No. 9, pp. 1289-1293, 2000, with English Language Translation
$\Box$	CG1	T. Iyoda et al., Saibou Kougaku, Cell Technology, Vol. 19, No. 9, pp. 1311-1377, 2000, with English Language Translation
Π	CH1	T. Takayama et al., Bushi Saibou Chiryou/ Molecular Cell Therapy, Vol. 2, No. 6, pp. 53-56, 2001, with English Language Translation
	CI1	H. Nakano, Saibou Kougaku/ Cell Technolgy, Vol. 19, No. 9, pp.1304-1310, 2000, with English Language Translation
	CJ1	O. Yosie et al., Chemokine Handbook, pp.68-70, pp.84-86, pp.87-90, 2000, with English Language Translation
	CK1	T. Horiuhi et al., Risyou Ketueki, Jpn. J. Clin. Hematol., Vol. 44, No. 9, pp. 940-945, 2003, with English Abstract
	CL1	C. Caux et al., Dendritic cells in Fundamental and Clinical Immunology, Vol. 3, Adv. Exp. Med. Biol., Vol. 417, pp. 21-25, 1997
	CM1	Yoshimoto et al., Jpn. J. Cancer Res., Vol. 77, pp. 1264-1270, 1986
	CN1	S. Gazzaniga et al., The Journal of Investigative Dermatology, Vol. 116, No. 5, pp. 664-671, 2001

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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